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# Case Study

## Down Hall



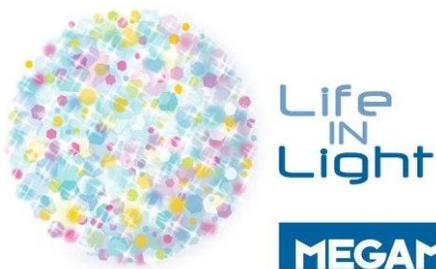
### Megaman Get Down to Serious Energy Saving at The Down

The Down Hall Hotel, one of the UK's most established country house hotels, has achieved considerable energy savings on lighting thanks to a simple retrofit to Megaman LED lamps. With Phase 1 of the project concentrating on the main function rooms, lounge and anti-lounge areas, the current estimated figures are 7736kw of energy saved per annum which equates to an annual CO2 saving of 4.21 tons.



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### Lamps Used



5W IncandaLED Candle Dimming

### Annual energy savings

Annual CO<sub>2</sub> reductions: 4.21 tonnes

Annual energy saved: 7736kw

Payback time: 6 months

Located in Hatfield Heath on the Hertfordshire/Essex borders, Down Hall was built in the Italianate style of architecture, which was a distinct 19<sup>th</sup> century phase in the history of Classical architecture and the hotel dates back to 1322 with luxurious interior and ornate ceilings, all set in 110 acres of parkland. The hotel has many high ceiling function rooms including the Prior Suite, and this was the first room to be considered for the new LED lamps.

With chandeliers and wall lights in constant use, the old Halogen 28W lamps were constantly failing which meant a scaffolding tower had to be erected each time to replace the lamps, taking up valuable maintenance time and causing serious potential health and safety issues. On review of the lighting with Edmundson Electrical of Bishops Stortford, it was agreed to switch the existing lighting to Megaman's 5w candle lamps in cool white, which also offer dimming capabilities for changing the ambience of the room at different times of the day and evening. On completion of the Prior Suite, the staff at Down Hall were so delighted with the result that the other function rooms, namely Rookwood, Lyndhurst, Harley and the lounge and anti-lounge, were also changed to the new LED lamps.

Bob Parker at Down Hall commented "We are extremely happy with the new LED lamps which, apart from the energy savings achieved, actually look better and complement the existing fittings, plus they offer 50,000 hours life. The light output is excellent and staff are commenting that the new lighting has improved the whole ambience of the building. We are now in the process of putting Phase 2 into action which will include the Bridgeman Selwin Suites which is our main ballroom for wedding receptions".

For more information on this project or the Megaman lamps used please contact us:

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